



**PATENT**  
**P-5277**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Heidaran et al.

SERIAL NO.: 09/992,124

GROUP: 1645

FILING DATE: November 19, 2001

EXAMINER:

FOR: PEPTIDES PROMOTING CELL ADHERENCE, GROWTH AND SECRETION

The Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231	
ON:	<u>November 15, 2002</u> (DATE OF DEPOSIT)
BY:	<u>Roseanne Lehman</u> (NAME OF DEPOSITOR)
<u>Roseanne Lehman</u> (SIGNATURE)	<u>11/15/02</u> (DATE)

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures mailed October 10, 2002, the period of response having been extended by one (1) month, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

**Amendment**

Please replace paragraph 10, beginning at page 4 with the following paragraph.

--It is also known to derivatize surfaces with peptides having less than 12 amino acid residues and containing one of the following sequences of amino acids: GRGD (SEQ ID NO: 71), GYIGSR (SEQ ID NO: 72), and GREDV (SEQ ID NO: 73). These peptides have been further described as including a minimal cell-surface receptor recognition sequence, for example, RGD (SEQ ID NO: 74), YIGSR (SEQ ID NO: 75), or REDV (SEQ ID NO: 76) to permit the cell receptor mediated support of cells to a treated surface. The peptides are preferably attached to the surface through the reaction of a terminal primary amine associated with the peptide to be grafted to the surface and an active group on the polymer surface. A disadvantage of this method is that the surface must first be activated before the surface can be